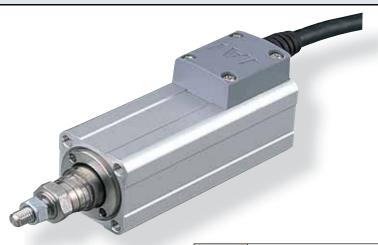
ROBO Cylinder Mini Rod Type Short-Length Tapped-Hole Mounting Type RCA2-RP3N 28mm Width 24V Servo Motor Lead Screw \blacksquare Configuration: RCA2 - RP3N 10 30 Encoder Motor Lead Stroke Compatible Controlle Cable Length Option 10 : 10W Servo 4S : 4mm lead screw
Motor 2S : 2mm lead screw
1S : 1mm lead screw K2 : Connector Cable exit direction LA : Power-saving I: Incremental * The Simple N: None 30 :30mm A1: ACON P:1m S:3m M:5m RACON absolute encoder ASEL is also considered A3:AMEC X 🗆 🗆 : Custom ASEP * See page Pre-35 for an explanation of the naming convention.



Power-saving

Technical References



Notes on Selection

- The lead screw is not equipped with an anti-rotation device. Therefore, when using the actuator, add an anti-rotation device such as a guide to the end of the lead screw prior to use. (Without an anti-rotation device, the lead screw will rotate, and will not extend or retract.)
- (2) The load capacity is based on operation at an acceleration of 0.2G. This is the upper limit of the acceleration.
- (3) Do not apply any external force on the rod from any direction other than the direction of the rod's motion.
- (4) This model uses a lead screw. Please ensure that your usage is appropriate for its characteristics. (See page Pre-42 for more information.)

Actuator Specifications											
■ Lead and Load Capacity									E 5	troke an	d Maximum Speed
Model	Motor Output (w)	Feed Screw		Max. Load Horizontal (kg)				Stroke (mm)	Lead	Stroke	30 (mm)
RCA2-RP3N-I-10-4S-30-①-②-③			4	0.25	0.125	25.1			we	4	200
RCA2-RP3N-I-10-2S-30-①-②-③	10	Lead Screw	2	0.5	0.25	50.3	±0.05	30 (Fixed)	ad Screw	2	100
RCA2-RP3N-I-10-1S-30-①-②-③			1	1	0.5	100.5			Leg	1	50
Legend ①Compatible controller ②Cable length ③Options (Unit: mm/s)											

Stroke List	
Stroke (mm)	Standard Price
	Feed Screw
	Lead Screw
30	-

② Cable List						
Cable Symbol	Standard Price					
P (1m)	_					
S (3m)	-					
M (5m)	-					
X06 (6m) ~ X10 (10m)	-					
X11 (11m) ~ X15 (15m)	_					
X16 (16m) ~ X20 (20m)	-					
	Cable Symbol P (1m) S (3m) M (5m) X06 (6m) ~ X10 (10m) X11 (11m) ~ X15 (15m)					

- * The RCA2 comes standard with a robot cable.
- * See page A-39 for cables for maintenance.

③ Option List			
Name	Option Code	See Page	Standard Price
Connector cable exit direction	K2	→ A-32	-
Power-saving	LA	→ A-32	-

Actuator Specifications					
Item	Description				
Drive System	Lead Screw ø4mm C10 grade				
Lost Motion	0.3mm or less (initial value)				
Frame	Material: Aluminum (white alumite treated)				
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)				
Service Life	Horizontal: 10 million cycles Vertical: 5 million cycles				

Dimensions

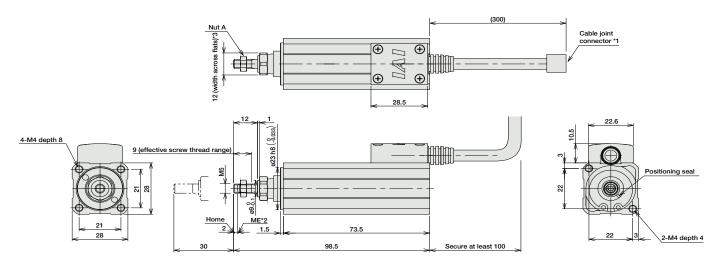
For Special Orders



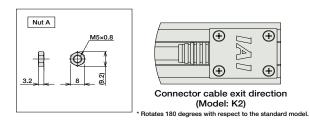




- *1 A motor-encoder cable is connected here. See page A-39 for details on cables.
- When homing, the rod moves to the mechanical end; therefore, please watch for any interference with the surrounding objects.
- The orientation of the bolt will vary depending on the product.



ME: Mechanical end



■ Dimensions/Weight by Stroke

Stroke	30					
Weight (kg)	0.2					

① Compatible Controllers

The nonz series actuators can operate with the controllers below. Select the controller according to your usage.								
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Solenoid Valve Type	The state of the s	AMEC-C-10I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solellold valve Type		ASEP-C-10I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points		(Standard) 1.3A rated 4.4A max. (Power-saving)	-	→ P487
Splash-Proof Solenoid Valve Type	Ī	ASEP-CW-10I①-NP-2-0	Supports both single and double solenoid types. No homing necessary with simple absolute type.				-	
Positioner Type		ACON-C-10I①-NP-2-0	Positioning is possible for up to 512 points	512 points	DC24V		-	
Safety-Compliant Positioner Type		ACON-CG-10I①-NP-2-0	rositioning is possible for up to 312 points	312 points			-	
Pulse Train Input Type (Differential Line Driver)	O	ACON-PL-10I①-NP-2-0	Pulse train input type with differential line driver support	()			-	→ P535
Pulse Train Input Type (Open Collector)		ACON-PO-10I①-NP-2-0	Pulse train input type with open collector support	(–)		1.3A rated 2.5A max.	-	
Serial Communication Type		ACON-SE-10I①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-10①	Dedicated to field network	768 points			-	→ P503
Program Control Type		ASEL-C-1-10I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567

PMEC //AMEC

PSEP //ASEP

ROBO NET

ERC2

PCON

ACON

SCON

PSEL

ASEL

SSEL

^{*} This is for the single-axis ASEL.
* ① is a placeholder for the code "LA" if the power-saving option is specified.